

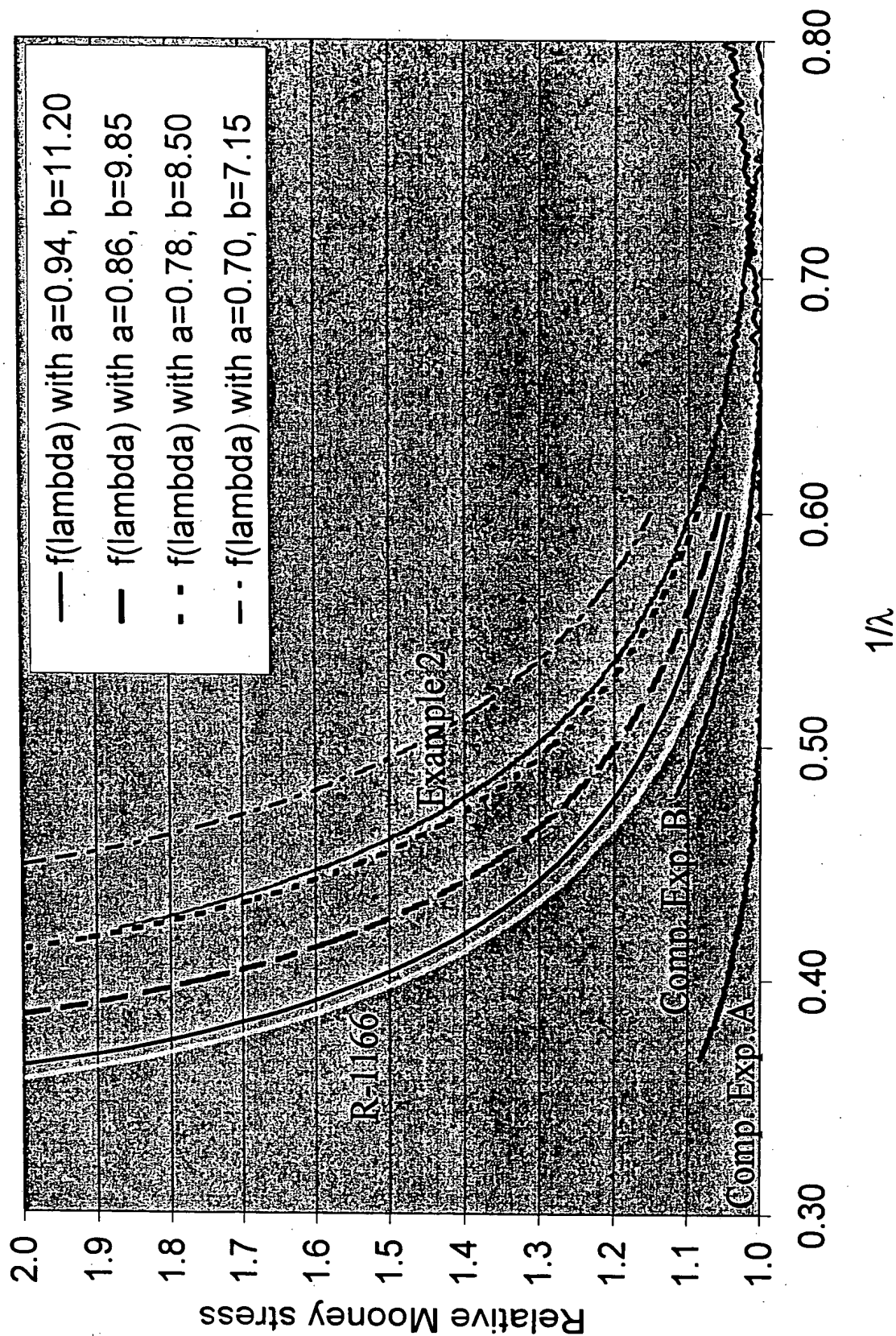
Desolite™ R-1102 and **Desolite™ R-1166** were commercial fiber optic coatings available from JSR Corporation prior to November 22, 2000. These coatings were evaluated and are believed to have the following properties.

A first optical fiber was coated with a primary coating obtained by curing the R-1102 composition, that is believed to have included about 50wt% of an aromatic polyether urethane acrylate oligomer, about 40wt% of monofunctional acrylate reactive diluents having molecular weights below 500, about 1.5wt% photoinitiator, and about 1wt% silane adhesion promoter. It is believed that the composition did not include any di- or multifunctional reactive diluents (not taking into consideration the possible presence of impurities, e.g. by-products of the oligomer preparation etc.). The equilibrium modulus of this cured coating was determined to be about 1.43 MPa. The storage modulus of this cured coating was determined to be about 1.57 MPa and the cavitation strength at which a tenth cavitation appeared at a deformation rate of $0.20\% \text{ min}^{-1}$ was determined to be about 2.8 MPa.

A second optical fiber was coated with a primary coating obtained by curing the R-1166 composition, that is believed to have been substantially similar to the compositions exemplified in WO 99/52958 and WO 99/08975 (which are both already of record). The equilibrium modulus of the inner primary coating was determined to be about 0.45 MPa, the storage modulus for this cured coating was determined to be about 1.1 MPa and the cavitation strength at which a tenth cavitation appeared at a deformation rate of $0.20\% \text{ min}^{-1}$ was determined to be about 1.5 MPa. The relative Mooney plot of the R-1166 composition is attached (Examples 2 and Comparative Examples A & B of the present application are also included in the plot).

Strain hardening of R-1166

Relative Mooney plot



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